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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/027,870	10/26/2001	Holger Warth	Mo-6717/LeA 34,668	1030	
157 7590 08/23/2005 BAYER MATERIAL SCIENCE LLC			EXAMINER		
			BUTTNER, DAVID J		
100 BAYER ROAD PITTSBURGH, PA 15205			ART UNIT	PAPER NUMBER	
			1712		
			DATE MAILED: 08/23/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)		\		
		10/027,870	WARTH ET AL.		:		
		Examiner	Art Unit				
		David Buttner	1712				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)	Responsive to communication(s) filed on <u>08 Au</u>	ugust 2005.					
· ·	∑ This action is FINAL. 2b) This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
5)□ 6)⊠ 7)□ 8)□	4) ☐ Claim(s) 1-5 and 7-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5,7-9 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
9)	The specification is objected to by the Examine	r.					
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachmen	t(s)						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal F 6) Other:		O-152)			

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Claims 1-5 and 7-9 are rejected under 35 USC as obvious over Nodera '443.

Nodera exemplifies (Nos. 5, 6,) blends of PC, HIPS, Metablen S2001, talc, antistatic agent and flame retardants. Metablen S2001 is one of applicant's preferred silicone-acrylate grafts (page 15, line 24 of spec.) HIPS is a polymer based on styrene and qualifies as applicant's (B). Nodera (col 4 line 63) also lists acrylonitrile/styrene copolymer as an alternative to HIPS. Glass fibers (col. 10, line 45) are listed as an alternative to talc.

"Consisting of" excludes the presence of flame retardants and antistatic agents from applicant's claims. It would have been obvious to eliminate these additives as well as their functions if flame retardancy and electrical resistivity were not of concern (MPEP 2144.04 II).

Note that viscosity average molecular weights are nearly equal to weight average molecular weights. Therefore Nodera's viscosity average molecular weight of 19,000 would fall within applicant's weight average molecular weight range.

Claims 1-5 and 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over the J11349796 Patent in view of Nodera '443 or Obayashi '914.

The JP11349796 reference exemplifies blends of PC, SAN and silicon/acrylate graft. Oral translation indicates paragraph 19 calls for inorganic filler (termed "bulking agent" by the machine translation), but glass fibers are not named.

Nodera (col. 10, line 44,45,63) lists glass fiber etc in amounts of 2-30 pph as suitable filler in similar PC/grafted rubber compositions. Obayashi exemplifies the use of glass fiber in similar PC/ grafted rubber compositions. It would have been obvious to

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use glass fibers as the filler in the J'796 compositions in the conventional amounts for the expected reinforcing effect.

Takahashi 2003/0112520 (paragraph 102) is cited for his more detailed description of the SAN 290FF that is believed used in J'796.

Claims 1-5 and 7-9 rejected under 35 U.S.C. 103(a) as being unpatentable over the JP08269314 Patent in view of Nodera '443 or Obayashi '914.

The JP08269314 reference exemplifies blends of PC, PMMA and Metablen S2001 (applicant's silicone graft). In the examples, the PC has an intrinsic viscosity of 0.5dl/g (or 0.05 l/g). This corresponds to a viscosity average molecular weight of 22,000 according to the known correlation. Reinforcing materials such as fibers can be included (paragraph 56) although glass fibers and amounts thereof amounts are not specified.

Nodera (col. 10, line 44,45,63) lists glass fiber etc in amounts of 2-30 pph as suitable filler in similar PC/grafted rubber compositions. Obayashi exemplifies the use of glass fiber in similar PC/ grafted rubber compositions.

It would have been obvious to use glass fibers as the reinforcing fiber in the J '314 composition in the conventional amounts for the expected reinforcing effect.

Applicant's arguments filed 8/8/05 have been fully considered but they are not persuasive.

Applicant argues the styrenic grafted rubber of Nodera is inferior to the siliconeacrylate graft of applicant's claims.

This is not convincing. Applicant's B) permits any vinyl polymer or copolymer.

The examiner considers a styrene grafted rubber to be a vinyl polymer qualifying as

applicant's B). Also note Nodera (col 4 line 51-63) suggests acrylonitrile/styrene copolymers and grafts of styrene/acrylonitrile on rubbers. Any of these also qualify as applicant's B) material.

Applicant argues the proposed inclusion of glass fibers in the J'796 composition would make processing more difficult.

There is nothing of record that would predict the resultant glass fiber reinforced composition of J'796 would be intractable or unprocessable. The inclusion of glass fibers would not have been expected to render the J'796 unsatisfactory for its intended purpose. It appears glass fibers perform their expected function of increasing reinforcement/stiffness at the expense of some decrease in fluidity. The fact that the J'796 composition (prior to inclusion of glass fiber) was touted as having excellent flowability actually makes the proposed inclusion more feasible/obvious. The easily processable composition would be expected to tolerate some decrease in flow rate in order to increase stiffness etc.

Applicant argues the claims now exclude the polycarbonate oligomers of Obayashi.

This is not convincing as Obayashi is relied on merely to show conventional amounts and effects of glass fibers in polycarbonate compositions. These teachings are not negated by the presence of the "extra" oligomeric ingredient. The primary references do not require these oligomers.

Applicant argues J'314 uses a (meth)acrylic resin which is excluded by applicant's "consisting of" language.

This is not convincing. Applicant's vinyl polymer B) can be a methacrylate resin (see applicant's claim 3). J'314's polymethylmethacrylate and its copolymers qualifies as applicant's B).

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Buttner whose telephone number is 571-272-1084. The examiner can normally be reached on weekdays from 10 to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski, can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID J. BUTTNER PRIMARY EXAMINER

D. Buttner August 19,2005

David Button